

LEAD WITH DISSOLVABLE COATING FOR IMPROVED FIXATION AND EXTRACTION

Abstract of the Disclosure

A cardiac rhythm management system provides an endocardial cardiac
5 rhythm management lead with an at least partially dissolvable coating at least
partially on insulating portions of the lead body at or near its distal end. Upon
dissolution, the coating promotes tissue ingrowth to secure the lead in place within
fragile vascular structures or elsewhere. Dissolution of one such coating releases a
therapeutic agent, such as a steroid that modifies the fibrotic scar tissue content of
10 tissue ingrowth, such that the resulting bond between the tissue and the lead is weak,
so that the lead can be easily extracted if desired. One such lead includes an
insulating elongate body carrying at least. The lead also includes an at least partially
dissolvable coating on an insulating portion of the peripheral distal lead surface.
The coating provides one or more of a rough surface, a porous surface, or a swollen
15 surface after being exposed to an aqueous substance.

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